164

PATE: 01/02/2001 ENTERED

RAW SEQUENCE LISTING

Imput Set : A:\ES.txt

PATENT MPRICATION: US/09/349,954A

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JAN 10 2001

TECH CENTER 1600/2900

```
output set: N:\CRF3\01022001\1349954A.raw
 4 110 - APPLICANT: Harward, Micholas K.
        Ambor, Further
        Grammond Sean
        Nordbaskjold, Hagnus
        larsson, Catharina
10 - 120 > 1171E OF INVENTION: A HOVEL GROWTH FACTOR AND A GENETIC SEQUENCE ENCODING
       SAME
13 - 1992 Fine PIFERENCE: Day, Col. Caro.
15 1305 CORRENT APPLICATION NUMBER: 197349.554A
to <141> CURRENT FILING DATE: 1999-07-08
16 - 150% PRIOR APPLACATION NUMBER: 08/763.588
19 - Clar Prior fining Date: 1996-02-12
LT 1150% NO BER OF SEQ ID NOS: 22
23 <170 > SOFTWARE: Patentin Ver. 2.1
25 KI102 SEO 1D NO: 1
25 - 211> LENGTH: 549
27 212× TYPE: DNA
28 2132 OPTAMISM: Nucleotide Sequence of VEGF165
50 -230> FEATURE:
-1 - 221> MARG/KEY: CDS
52 <2225 GOCATION: (17)..(589)
34 - 190× SEQUENCE: 1
35 togggeoted gaaace and aac unit orginize tot 199 gtg can 190 ago out 52
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38
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40 geo the one can can can can eat eco and top too cay got eco co-
12 Ala Leu Leu Leu Tyr Leu His His Ala Lys Trp Ser Gin Ala Ala Pro-
       1.5
                            2.0
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15 and gen gon aga aga aga can ann eat ear an ata ata ata
17 Met Ala Glu Gly Gly Gly Gln Ash His His Glu Val Val wys Phe Met
48 30
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50 gat gir hat day dyn ago tâd igo dal dda aib gag acc eig gig gad
52 Asp Val Tyr Gln Arg Ser Tyr Cys His Pro lle Glu Thr Leu Val Asp
                      50
                                         43.5
55 ato the cay gay had bot gat gag allo gag had ato the dag boa bon
                                                                  244
57 Ile Phe Gla Glu Tyr Pro Asp Gla Tle Gla Tyr Tle Phe Tys Pro Ser
                                     7.0
                6.5
60 tal gtg coe etg atg ega tae gag age tae tae aut gae gan age etg
62 Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu
63 80
                                85
65 gag tot gug occ act gag gag too aac atc and aug cag aut atg cog
                                                                  340
67 Glu Cys Val Pro Thr Glu Glu Ser Asn tie Thr Met Gln II- Met Arg
                           100
70 ato ana cer cao caa gao oug cao ata aga gag uta ago the cta oug
                                                                  388
72 The Lys Pro His Gla Gly Gla His The Gly Gla Met. Ser Phe Leu Gla
73 110 115 120
75 can aac aaa lgt gaa lgc aga cca aag daa gat aga gca aga caa gda
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Imput Set : A:\ES.txt

Output Set: N:\CRF3\01022001\1349954A.raw

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48
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er Pro Ara Ara
48 190
lun gaaccapato foteaccago
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164 -210> SEQ 40 Not 2
195 211× LENGTH: 191
106 212× TYPE: RKT
107 21% ORGANISM: Mucleotide Sequence of VEGF165
109 400> SEQUENCE: 2
110 Mer Ash Phe Leu neu Ser Tip Val His Trp Ser Leu Aig Leu Leu Leu
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111 20
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11.7
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119 Arg Sor Pyr Cys His Pro Ite Clu Thr Lou Val Asp the Phe Clu Glu
120 50
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122 Tyr Pro Asp Glu fle Glu Tyr 11e Phe Lys Pro Ser Cys Val Pro Len 123 \pm 65 70 70 75 80
123 65
              7.0
125 Met Arg Cvs Gly Gly Cvs C/s Asa Asp Gla Gly Lea Gla Cvs Val Pro
                85
                                   90
128 Phr Glu Glu Ser Ash the Thr Met Glu the Met Arg the Lys Pro His 129 $100$
\operatorname{F3L} Cln Gly Gln His IIe Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
132 115
                          120
                                               125
1-4 Glu Cys Ard Pro Lys Lys Asp Arg Ala Arg Glu Glu Asm Pro Cys Gly
155 130 155
                                         110
137 Pro Cys Ser Glu Arg Arg Lys His Lew Phe Val Gle Asp Pro Gle Thr
138 145 150
                             155
110 Cvs Lvs Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln 141 - 165 - 170 - 175 -
180
148 -210> SEQ ID NO: 3
149 (211> LENGTH: 1094
150 <212> TYPE: DNA
151 <213> ORGANISM: Nucleotide Sequence of SOM175
153 <220> FEATURE:
```

RAW SEQUENCE LISTING
PAFENT APPLICATION: US/09/349,954A

DAPL: 01/02/2001 TIME: 10:27:13

input Set: A:\ES.txt
Jumput Set: N:\CRE3\01022001\1349954A.raw

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186	80					51.0					90					45			
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1.14 (*	$C \mid H$	Val	Arg	Met	\sin	H	Lon	Het	17.	514	126	Pro	Ser	Sor	Gln	Leu			
151					105					į () Š					110				
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106				115					100					105					
198	$a_{ii}a$	वद्यप	qae	agr	аcт	ata	$\sigma \Xi \sigma$	oca	440	सप्प	qet,	qcc	act,	ccc	CHC	cac	431		
200	Lys	Lys	Asp	Sor	Aiu	Va.l	1.78	Pro	Asp	Arq	Ala	Ala	Thr	510	His	His			
301			130					135					1.10						
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205	Ard		Glu	Pro	Ar4	Set		Pro	$G \mid \mathcal{A}$	Trp	Asp		λla	Pro	Gly	A1a			
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221													205						
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RAW SEQUENCE LISTING DAIR: 61/6:/2001 TAIENT APPLICATION: US/09/349,954A PIME: 20:27:17

Imput Set : A:\ES.txt

output Set: N:\CRF3\01022001\1349954A.raw

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248 - 210 / Pro 10 No. 4
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. O Cys 2's ero Asp Asp dr. Lou dim Cys Val Pro thr Gly Cla Hrs Sia
and Service Se
173 190 105 116
275 dlu Het sei Leu Glu Gin His Ber Glu Czs Glu Czs Arg Pro Lys & s
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139
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28) Fro Sta Fro Srq Ser Val Pro Gly Trp Asp Set Ala Pro Gly Ala Pro
                       Lou
282 145
                                                                                   155
201 Ser Pro 51: Esp 100 Thr His Pro Thr Pro Ala Pro Gly Pro Ser Ala
285 765
                                                     1.70
28" His Ala Ala Pro Ser Thr Thr Ser Ala Leu Thr Pro Cly Pro Ala Ala
                                                .85
200 Ala Ala Ala Asp Ala Ala Ala Ser Ser Val Ala Lys Gly Gly Ala
241 195
                                               200
255 2105 SEC 4D NO: 5
296 - 2:12 LENGTH: 993
207 (2)25 TYPE: DNA
298 .213> ORGANISM: Nuc. Seq. of SOM175 Absent Exon 6
3 (0 - ZZOS FERTURE):
01 - 221 - N/JML/KEY: CDS
304 - 400 > FEGUENCE: 5
is on any age centraty one eye edg only one goo goa end only day.
       Het Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu 3th
3 46 45
310 ctg que ede que may gou ent que tre may ent gal que not ago mas
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                                     20
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315 may agy awa giry mtg too tyg ata gat gtg fat act mym gor ach tyn
317 Olm Arg Lys Val Val Ser Erp The Asp Val Tyr Thr Arg Ala Thr Cys
313
                                                                      4.0
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/349,954A

DATE: 01/02/2601 31ME: 10:27:13

Imput Set : A:\ES.txt

Output Set: N:\CRF3\01022001\1349954A.raw

320	e.a	gere	299	qaq	qLq	gtg	qtq	ee.	tiq	dC1	ara	qaa	ctc	atg	gge	icc	191
5.1.2	vi., fi	Pro	Arg	dlu	val	Val	Và l	Pic	Leu	Phr	Va I	Clu	Lou	Ret	G1º	thr	
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- 142 - 342		gaq															353
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145	1.1.3	aad	(1.44.)		act	.11.71	.4	ana		400	1200	100	020		100	13.3.3	131
31-		Lys															4 > 1
115		, .,	156	1352	71114	vai	15 . 25	1.5	2329	.,(:	,	21. 1	110	110.01	(,, 2)	110	
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9.5		orig					,	,				,					
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300	Sid	$C^{\alpha}S$	Arq	Arq	$\Delta \pm q$	Ser	Pho	Len	Arg	Cis	GIn	di"	Arg	017	Leu	Gla	
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300	ctc	aac	cca	que:	acc	tar	मपुद	rqc	cqq	ववप	rtq	сца	वयप	tga	cadat	. 99	576
	pen	Asn	bxo	$\Lambda s \rho$		Cys	Arq	Cys	Arg		Le il	A_{LQ}	Arg				
37.3					180					185							
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	guestingues toteagaggs stottemens attectible teestigange sateatraaa 7																
	ruggaragan Elgguagang ugacinggan deagcuanan gnytcacata ceancleagn																
	ggaquatiqua gluciatoto aglittotaao cantelgiao aagtuagoat erracaaciq geteffecto ceefeactaa gaaqueecaa acetergoat autgaquitt, gggeltiggt.																
	addagaacig tguccocdaa cootgataaa agagatggaa ggaaadaaaa aanaada - 993 -210> SEO ID NO: 6															211	
358		l> 1.E															
		2> TY															
		3> 01			NHC	. 500	į. Ol	SOF	1175	Absi	int h	_kon	6				
		L SE					•										
393	Het	Sor	Pro	Leu	Leu	Arg	Arg	Lou	Leu	Leu	Ala	Ala	Leu	Leu	GIn	Leu	
391	1				5					10					15		
396	A1a	Pro	Ala	GIn	Ala	$\Gamma(r))$	Val	Ser	Glin	Pro	Asp	Ala	Pro	G17	His	Gln	
(97				20					2.5					30			
399	Arg	$L\gamma s$		Val	Ser	TtD	TTe	Asp	Val	$T \not = \Gamma$	Tha	Ang	Ala	Th x	Cys	GLn	
400			35					4.0					4.5				
	Pro	Arq	Glu	Va I	val	Va]		Len	Thr	Va I	Glu		Meit.	G17	Thr	Val	
103		5()	0.1	*			5.5			m.l		6.0	4	_	0.3		
		Lys	GEn	Leu	Val		Ser	CVS	va I	Thr		GIn	Arg	Сув	GTY		
455	6.5					70					75					80	

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TECH CENTER 1600/2900

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/349,954A

DAIL: 0./02/2001 FIME: 10:27:14

Input Set : A:\ES.txt
Output Set: N:\CRF3\01022001\1349954A.raw